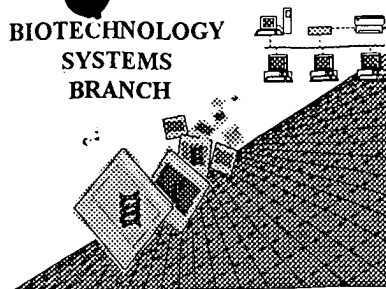


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/822,849
Source: OIPF
Date Processed by STIC: 4/19/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/822,849

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) . Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223>
sections for Artificial or Unknown sequences.
- 8 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
(NEW RULES) <210> sequence id number
<400> sequence id number
000
- 10 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of "Artificial" Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules.
(NEW RULES) Valid response is Artificial Sequence.
- 12 Use of <220>Feature Sequence(s) are missing the <220>Feature and associated headings.
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial Sequence" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/822,849

DATE: 04/19/2001
TIME: 13:35:41

Input Set : A:\seq1st.txt
Output Set: N:\CRF3\04192001\I822849.raw

Does Not Comply
Corrected Diskette Needed

ppr 1-16

3 <110> APPLICANT: Wong, Gordon G.
4 Clark, Hilary
5 Fechtel, Kim
6 Agostino, Michael J.
7 Howes, Steven H.
8 Resnick, Richard J.
9 Gulukota, Kamalakkar
10 Graham, James R.
11 Genetics Institute, Inc.
13 <120> TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
15 <130> FILE REFERENCE: GIN 6403
OK 17 <140> CURRENT APPLICATION NUMBER: US/09/822,849
OK 18 <141> CURRENT FILING DATE: 2001-03-29
20 <150> PRIOR APPLICATION NUMBER: 60/195,582
21 <151> PRIOR FILING DATE: 2000-04-06
23 <160> NUMBER OF SEQ ID NOS: 598
25 <170> SOFTWARE: PatentIn Ver. 2.0

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504 <213> ORGANISM: Homo sapiens
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(global error)

*→ see item 10
on Error summary
sheet*

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/822,849

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TIME: 13:35:41

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item 10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/822,849

DATE: 04/19/2001
TIME: 13:35:41

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Output Set: N:\CRF3\04192001\I822849.raw

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Item 10

Item 10

P.4

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/822,849

DATE: 04/19/2001
TIME: 13:35:41

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Output Set: N:\CRF3\04192001\I822849.raw

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Item 10

P.S

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/822,849

DATE: 04/19/2001
TIME: 13:35:41

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Den 10

Den 10

p. 6

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/822,849

DATE: 04/19/2001
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Item 10

Item 10

P.7

RAW SEQUENCE LISTING
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RAW SEQUENCE LISTING

DATE: 04/19/2001

PATENT APPLICATION: US/09/822,849

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dem 10

P. 9

RAW SEQUENCE LISTING

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Item 10

Item 10

RAW SEQUENCE LISTING

DATE: 04/19/2001

PATENT APPLICATION: US/09/822,849

TIME: 13:35:41

Input Set : A:\seq1st.txt

Output Set: N:\CRF3\04192001\I822849.raw

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Item 10

p. 11

RAW SEQUENCE LISTING

DATE: 04/19/2001

PATENT APPLICATION: US/09/822,849

TIME: 13:35:41

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Output Set: N:\CRF3\04192001\I822849.raw

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Item 10

Item 10

p.12

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/822,849

DATE: 04/19/2001

TIME: 13:35:41

Input Set : A:\seq1st.txt

Output Set: N:\CRF3\04192001\I822849.raw

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Item 10

Item 10

sup. 13

RAW SEQUENCE LISTING

DATE: 04/19/2001

PATENT APPLICATION: US/09/822,849

TIME: 13:35:41

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Output Set: N:\CRF3\04192001\I822849.raw

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Item 10

Item 10

P. 14

RAW SEQUENCE LISTING

DATE: 04/19/2001

PATENT APPLICATION: US/09/822,849

TIME: 13:35:42

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Output Set: N:\CRF3\04192001\I822849.raw

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3437 tccgacttaa aatataactg aagagaatta aaatctattt ctaaaaaatga gaagttggtc 2100
3438 ttttctgtct cgtgcctta aacagtaact ctaggagag aacgtcaagg gtgccatttc 2160
E--> 3439 gtgtaaggct ttcttgggat gaagtgttct ctcagnaaga tcnngtntt tnagatgaac 2220
E--> 3440 gccgaggctt gaanacatcg aacagccgc ctnaagcggc ctggctcgan agccgggaaa 2280
3441 ccaggcgagg cgccaaagcc cgggcttggg ctgatgcggg cagcccgccc ctcccgatcc 2340
3442 ccgcgggg cgggatggg ccgggcccgc ccacgacgg cgtccgcacg gagaggcca 2400
3443 gcgtcgccaa 2410
3445 <210> SEQ ID NO: 116
3446 <211> LENGTH: 984
3447 <212> TYPE: DNA
3448 <213> ORGANISM: Homo sapiens
3450 <400> SEQUENCE: 116
3451 ggctatcttg gggcactcca ggccaggagt ttgaaaccag cttgtgcaat gaagtgagac 60
3452 cctagctcta aaaaaataaa atagaaacaa attagccagg tgtggtggtg cacacctgta 120
E--> 3453 gtcccagcca ctcaggaggt tgaggcagga ggatcgctg agcccaggat gcggagattg 180
E--> 3454 cagtgaagc agatcgtgcc actgcactcc agtgtgggtg acagagcaag agcctgtctc 240
3455 tttaaaacaa aacaaaaatg ccacctttgg ggagaaactt tgaggccatg ccaatatccc 300
3456 acatcccgtt tttctcaaa cttccaccca ctaattttac catccattgg tggccggggc 360
3457 ttgtctacag cagttactgt tgtgctgttt cctgatggc aggtttttgt gtgctcctc 420
3458 attccatcta catttattaa ttggaactct tctgtgaagg aagacctgtc ccttccccct 480
3459 tattttctta tttagttaact aatttatatc ctaatgggct catagatact tgttttaac 540

```


RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/822,849

DATE: 04/19/2001
 TIME: 13:35:42

Input Set : A:\seq1st.txt
 Output Set: N:\CRF3\04192001\I822849.raw

```

3460 tagcacattc ctttttcattg tgataaaagc tcccaagtgc caagtaaatt cctagcattg 600
3461 cctctcacac agcaggaaga acggcacttt tcctacgtgg taaccagggc cttaggggaa 660
3462 ttggaagaa catgaacagg ttctgtttgt tcattcattt attttccttc actcagcaaa 720
3463 tatgcatttg agcacctact atctgcttct aggcactagg gattcgggaa tgaaaaaaca 780
E--> 3464 anctccttac cttaggggaa cggacatcct actggagaat aaaacagtaa acagataaaa 840
3465 agtgaatatg gggctgggca cgggtggtca cactgtaat cccaacacct ttgggaggcc 900
E--> 3466 aaggtgggcg ggtcacttgc ggtcaggagt tcaagaccng cctggccaac atgggtggcn 960
3467 tctctactaa acccgcgtct ttat 984
4225 <210> SEQ ID NO: 141
4226 <211> LENGTH: 1492
4227 <212> TYPE: DNA
4228 <213> ORGANISM: Homo sapiens
4230 <400> SEQUENCE: 141
4231 cttccctttc ctgctgctga ggtagggatt ggggggtcag aaccactca cttttgcctg 60
4232 ttaaagttgc cctcctgacg ctggcagctc tgccttggtc actggggatg cggctcgttg 120
4233 ctacgccacc agtggccttg cggatattgt caccatccac tagagtggga tgaagtccag 180
4234 agtgtgggta tacatctcag atgccatct acccactggg gacttcaatg ccagctgcat 240
4235 ttggttttgt tttcttaact gttggtctct cccacacagc tttttgttt ttttttaaac 300
4236 attcatattg ttttcaaact tggaaattcat agacactctg gctctaggtt ccttaagggg 360
4237 gaaaacaaaa gatgacttta ttccacattc aaaaaaatca gttcagttcc aaagtgtg 420
4238 tcttccagc cacttctagg gacactgggg aaccttgta aacgttgaca tcagtgtct 480
4239 ccagccgtgc tgtcaccctc ctatcttctg gatctgcctt cgggatggtc agtgacagct 540
4240 tctggaagct gagcacacac aggtgcacag ccatgctgtg gtctggcctg ctacggcagc 600
4241 atggcagctc tgggtggagc ttctcccttg catttggttc ccctgtgcca agtagctgca 660
4242 ggctgcccct caaatcttca tttgtccctt ttcacttctt gcagaacaag cctggggttag 720
4243 aggtgtctgt ggaatggcc tttgaagaca aggataccag gatgtgtgca ctctgtcgtg 780
4244 ttctgtgatg aatgggaaac gtaggcttcc agaaaagccag ctctctctg aaatgtgacg 840
4245 gacctaagca ggaagtcac caggacagga gtggctcagt gttggggatg gacgtgtctg 900
4246 ccagccatg ctccaccagg gccaccaatg tgtagtggc tgggtgtctt cgggcattgt 960
4247 agacctgtc ttcactgttt ccacccact tgggtgcctc caggatggta gtggcaccct 1020
E--> 4248 cagagcccca tcttcagcat gttctgaggc gtgagagtgg aagtgnccgc taaggctctg 1080
4249 tgtggacgcc tctctccgt gatctaaagg ggacactgta ctcaagcttt tgacctcatg 1140
4250 ctttgtgtag taaaaaagga tgtgggggtt ttgtgtggtt cgtgagaggg ttgtgtgttg 1200
4251 tttttgtttc cttttgttta tgttttgcc tttctcttt gtctttccat gtagaccaga 1260
4252 tatttgaaag ggcagacgat ggctagaggt gtaatgtgcg gcttgtttat gcggtatttt 1320
4253 gggaaactta cgttgggttg gaaatcgagt cgtggattca ccaggccggt gctggcacac 1380
4254 tcacctctgc ctttctctcc ggttcagtac ctattgtttc tcttttcaa tatgtgattg 1440
E--> 4255 tactagctct ttccatntga aagaattctc cttattttaa taaaaaagt tt 1492
5754 <210> SEQ ID NO: 201
5755 <211> LENGTH: 1169
5756 <212> TYPE: DNA
5757 <213> ORGANISM: Homo sapiens
5759 <400> SEQUENCE: 201
5760 aaccaacca aaccagtga gttttttaga acctttagaa ggttggtctt tattcaggtt 60
5761 ttactgtaat ggttaaggatt gactcaagag acagtattag taaatttatt gtgtatggat 120
E--> 5762 caaaagtga taatgtatga atgagagcng taagaaggat ttttattttg ttataattta 180
5763 gttaccattt tcagtgttat ttcaaagggt ctttgaagaa ttttggggca gggcatcaga 240
5764 ttagagtttt aaaatttgag tattttggat atcagtgttc ctcatgaaga tatacatgga 300
E--> 5765 tattcaattt tgatggcttc cagatttgta agattgnatg ntgtatatac cattctatta 360

```

Item 10

Item 10

see p. 16, too

Item 10

RAW SEQUENCE LISTING

DATE: 04/19/2001

PATENT APPLICATION: US/09/822,849

TIME: 13:35:42

Input Set : A:\seq1st.txt

Output Set: N:\CRF3\04192001\I822849.raw

```

5766 agaaacatgt ccactgtgct ttcaaacata gataaagcat gataaagatt attattttaag 420
5767 atataacttgt atttatacct cagatattct tttgggtttt gtaccgcaag gcttttttct 480
5768 tcttattgta aatacacttt acgtgaatac agtctaagtg aagaaaataa ataaaaggaa 540
5769 gaggtttata acttgctcta tatctgtaca gattataatc aataagtgca ctattattaa 600
5770 atgttttaaag taagggaaaa gtctgggctg ccttccttaa tattgcatct cactcccacc 660
E--> 5771 cttaaaacca cagattgcaa agcatagcat tttngcatca actacaatca aaagagcgat 720
5772 ttgctgaagg aaaaatcgga ctgcaaatca ttccaaggcc aaactgcaac tgagccacc 780
E--> 5773 actcccaaac nggaaaccct ggtgaagggt caggaagcac ggagattctc tccaacaaag 840
E--> 5774 gtccngttag gaaacgacgc tgagaggatg acgacaacgt gcaacagcag aaagatgctt 900
E--> 5775 gcaagcngag tcagggtcac cagtgaatgc cacaaaagtt ctctttccca ctgtttaatt 960
5776 tgacaagaga agaatttgaa ggatatgaac attttcaaga actctgctga ggtcacttag 1020
5777 agcgccatca caacttattt gtgtgactaa ttgcctagat tgtaagctct ttgagggcag 1080
E--> 5778 ggcttgtctc ttacacatct ttntaatccc ctgcngcggc tttcagnttt ttgtacttgt 1140
E--> 5779 nggcncctaa taaatttatt atttgctat 1169

```

item 10

FYI

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 04/19/2001

PATENT APPLICATION: US/09/822,849

TIME: 13:35:46

Input Set : A:\seq1st.txt

Output Set: N:\CRF3\04192001\I822849.raw

L:17 M:270 C: Current Application Number differs, Replaced Application Number
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:184 M:283 W: Missing Blank Line separator, <400> field identifier
L:527 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:13
L:998 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:28
L:1144 M:283 W: Missing Blank Line separator, <400> field identifier
L:1157 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:36
L:1395 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:47
M:340 Repeated in SeqNo=47
L:1465 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:49
M:340 Repeated in SeqNo=49
L:1744 M:283 W: Missing Blank Line separator, <400> field identifier
L:1984 M:283 W: Missing Blank Line separator, <400> field identifier
L:2109 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:73
L:2374 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:80
L:2489 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:84
M:340 Repeated in SeqNo=84
L:2522 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:85
L:2680 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:92
M:340 Repeated in SeqNo=92
L:2728 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:94
L:2798 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:96
L:2841 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:97
L:2868 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:98
M:340 Repeated in SeqNo=98
L:2907 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:99
L:2936 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:100
L:2964 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:101
L:3002 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:102
L:3030 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:103
M:340 Repeated in SeqNo=103
L:3072 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:104
L:3394 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:114
L:3439 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:115
M:340 Repeated in SeqNo=115
L:3453 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:116
M:340 Repeated in SeqNo=116
L:3567 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:120
L:3622 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:122
L:4222 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:140
L:4248 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:141
M:340 Repeated in SeqNo=141
L:4292 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:142
L:4337 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:143
L:4362 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:144
L:4387 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:145
L:4475 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:148
L:4725 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:157

VERIFICATION SUMMARY

DATE: 04/19/2001

PATENT APPLICATION: US/09/822,849

TIME: 13:35:46

Input Set : A:\seq1st.txt

Output Set: N:\CRF3\04192001\I822849.raw

L:4971 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:164
L:4984 M:283 W: Missing Blank Line separator, <400> field identifier
L:5187 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:174
L:5375 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:183
L:5571 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:192
L:5607 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:193
L:5656 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:195
L:5762 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:201
M:340 Repeated in SeqNo=201
L:9184 M:283 W: Missing Blank Line separator, <400> field identifier
L:12904 M:283 W: Missing Blank Line separator, <400> field identifier
L:16024 M:283 W: Missing Blank Line separator, <400> field identifier
L:16744 M:283 W: Missing Blank Line separator, <400> field identifier
L:17944 M:283 W: Missing Blank Line separator, <400> field identifier
L:18439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:595
L:18454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:596
L:18469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:597



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Total number of pages: 42

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